

## SEQUENCE LISTING

<110> Begent, Richard HJ  
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Rees, Anthony R  
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Spencer, Daniel IR

<120> Modified carboxypeptidase enzymes and their use

<130> 620-150

<140> US 09/898,461

<141> 2001-07-05

<150> US 60/216,689

<151> 2000-07-07

<160> 21

<170> PatentIn Ver. 2.1

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Phe Gln Ala Ala Thr Asp Glu Gln Pro Ala Val Ile Lys Thr Leu Glu  
 35 40 45

Lys Leu Val Asn Ile Glu Thr Gly Thr Gly Asp Ala Glu Gly Ile Ala  
 50 55 60

Ala Ala Gly Asn Phe Leu Glu Ala Glu Leu Lys Asn Leu Gly Phe Thr  
 65 70 75 80

Val Thr Arg Ser Lys Ser Ala Gly Leu Val Val Gly Asp Asn Ile Val  
 85 90 95

Gly Lys Ile Lys Gly Arg Gly Gly Lys Asn Leu Leu Leu Met Ser His  
 100 105 110

Met Asp Thr Val Tyr Leu Lys Gly Ile Leu Ala Lys Ala Pro Phe Arg  
 115 120 125  
 Val Glu Gly Asp Lys Ala Tyr Gly Pro Gly Ile Ala Asp Asp Lys Gly  
 130 135 140  
 Gly Asn Ala Val Ile Leu His Thr Leu Lys Leu Leu Lys Glu Tyr Gly  
 145 150 155 160  
 Val Arg Asp Tyr Gly Thr Ile Thr Val Leu Phe Asn Thr Asp Glu Glu  
 165 170 175  
 Lys Gly Ser Phe Gly Ser Arg Asp Leu Ile Gln Glu Glu Ala Lys Leu  
 180 185 190  
 Ala Asp Tyr Val Leu Ser Phe Glu Pro Thr Ser Ala Gly Asp Glu Lys  
 195 200 205  
 Leu Ser Leu Gly Thr Ser Gly Ile Ala Tyr Val Gln Val Asn Ile Thr  
 210 215 220  
 Gly Lys Ala Ser His Ala Gly Ala Ala Pro Glu Leu Gly Val Asn Ala  
 225 230 235 240  
 Leu Val Glu Ala Ser Asp Leu Val Leu Arg Thr Met Asn Ile Asp Asp  
 245 250 255  
 Lys Ala Lys Asn Leu Arg Phe Asn Trp Thr Ile Ala Lys Ala Gly Asn  
 260 265 270  
 Val Ser Asn Ile Ile Pro Ala Ser Ala Thr Leu Asn Ala Asp Val Arg  
 275 280 285  
 Tyr Ala Arg Asn Glu Asp Phe Asp Ala Ala Met Lys Thr Leu Glu Glu  
 290 295 300  
 Arg Ala Gln Gln Lys Lys Leu Pro Glu Ala Asp Val Lys Val Ile Val  
 305 310 315 320  
 Thr Arg Gly Arg Pro Ala Phe Asn Ala Gly Glu Gly Gly Lys Lys Leu  
 325 330 335  
 Val Asp Lys Ala Val Ala Tyr Tyr Lys Glu Ala Gly Gly Thr Leu Gly  
 340 345 350  
 Val Glu Glu Arg Thr Gly Gly Gly Thr Asp Ala Ala Tyr Ala Ala Leu  
 355 360 365  
 Ser Gly Lys Pro Val Ile Glu Ser Leu Gly Leu Pro Gly Phe Gly Tyr  
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 His Ser Asp Lys Ala Glu Tyr Val Asp Ile Ser Ala Ile Pro Arg Arg  
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Asn Ser Ala Val Asp His His His His His His  
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